

Ham Radio Software Discussion

Alan Walters – K5NOF

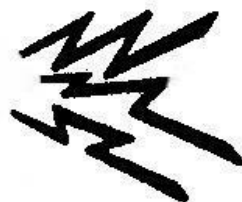


Presented in increments to the KB5TX Membership
October 7, 2010 through April 7, 2011

The World of Ham Radio

(from the ARRL Operating Manual)

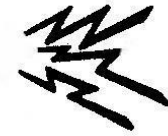
**It is all about operating to be prepared for
Emergency Communications
(and having fun).**

- VHF/UHF FM, Repeaters
 - VHF/UHF Beyond Repeaters
 - Amateur Satellites
 - DXing
 - CW
 - SSB
 - RTTY
 - PSK 31
- 
- Casual Comm. (rag chewing)
 - Traffic Handling
 - Image Communications
 - HF Digital Communications
 - Operating Awards
 - Contesting
 - CW
 - SSB
 - RTTY

My focus is casual communication, contesting and DX, principally using CW.



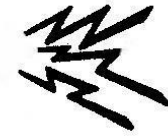
Purpose



- Encourage the membership to:
 - Convert paper logs to digital format.
 - Use Logbook of the World (LoTW) and eQsl in addition to QSL cards.
 - Use logging software.
 - Contest (CW, SSB, RTTY, whatever) and
 - Use Contest Software.
- Disclaimer:
 - There is an entire universe of opinion on these subjects.
 - Many different logging and contesting programs (such as TRLog, N1MM, N3FPJ).
 - Not here to advocate specific software.
 - Here to simply describe what I do, what I use and why.



Why



Convert paper logs to digital (ADIF) format?

- Then you can upload your logs to LoTW and eQSL for QSO confirmation and award credit.

Use Logbook of the World (LoTW) and eQsl in addition to QSL cards?

- LoTW becoming world-wide standard for ARRL awards.
- Fast confirmations at no cost (but ARRL charges for the award).

Use logging software?

- Log becomes electronic data base which supports.
 - LoTW & eQSL upload and download.
 - QSL management and different award tracking.

Participate in Contests?

- Build personal proficiency
- Work states and countries needed for various awards.

Use Contest Software?

- Beats paper and pencil and dupe sheet.
- Can't compete without it.



Software Overview



- Basic Log Import
 - Manually enter 100 QSO's at a time.
 - Convert to ADIF format
 - Import into logging program to build an electronic log.
- LoTW
 - A relational data base that compares your QSO's (call, time, frequency) with others (call, time, frequency) for a match.
- DX4Win www.dx4win.com
 - Will cost \$90 but
 - Full of features, has users' manual, very active reflector for users, supported by developers with regular updates.
 - LoTW support
 - Major upgrade from one version to another -- \$30.
- Writelog www.writelog.com
 - Will cost \$30 but
 - Supports any CW, SSB or RTTY contest
 - Full of features, has users' manual, very active reflector for users, supported by developers with regular updates.
 - Annual maintenance fee -- \$30.
 - Newbe starter package -- \$18.
- Introduction to each



Basic Log Import



File Edit View Insert Format Tools Data Window Help Type a question for help

F103 =IF(C103=1,"599",IF(C103=3,"59",IF(C103="C","599",IF(C103="S","59",""))))

WB6FHK_0_01

1	Do a "Save AS" Before Any Entries !				BasicLog	Input Log Data Starting on Line 4			
2	Date	Freq. MHz	Mode	Time	Call	Optional Report		Calculated Data	
3	(mm-dd-yyyy)	(Whole No. ONLY)	(1,3,C or S)	(hhmm)	(Enter Callsign Worked)	Sent	Rcvd	Band	Mode
4	12/24/1975	14	1	2142	W2SRZ	599	599	20M	CW
5	12/24/1975	14	1	2203	WA4SDZ	599	599	20M	CW
6	12/24/1975	14	1	2225	K2JUV	599	599	20M	CW
7	12/24/1975	14	1	2310	K6VRA	599	599	20M	CW
8	12/25/1975	7	1	0305	WB9PSH/9	599	599	40M	CW
9	12/25/1975	14	1	1645	W7JSH/6	599	599	20M	CW
10	12/25/1975	21	1	1837	VE3HDO	599	599	15M	CW
11	12/25/1975	21	1	1855	WB2RNJ	599	599	15M	CW
12	12/25/1975	21	1	2030	WA7YJX	599	599	15M	CW
13	12/25/1975	21	1	2055	WN6IWC	599	599	15M	CW
14	12/26/1975	7	1	0030	W4HQU	Created by BasicLog A simple log entry program by W6TN Email: w8:n@w8tn.com <eah> <call:5>W2SRZ<qso_date:8>19751224<time_on:4>2142<band:3>20M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WA4SDZ<qso_date:8>19751224<time_on:4>2203<band:3>20M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:5>K2JUV<qso_date:8>19751224<time_on:4>2225<band:3>20M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:5>K6VRA<qso_date:8>19751224<time_on:4>2310<band:3>20M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:8>WB9PSH/9<qso_date:8>19751225<time_on:4>0305<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:7>W7JSH/6<qso_date:8>19751225<time_on:4>1645<band:3>20M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>VE3HDO<qso_date:8>19751225<time_on:4>1837<band:3>15M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB2RNJ<qso_date:8>19751225<time_on:4>1855<band:3>15M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WA7YJX<qso_date:8>19751225<time_on:4>2030<band:3>15M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WN6IWC<qso_date:8>19751225<time_on:4>2055<band:3>15M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:5>W4HQU<qso_date:8>19751226<time_on:4>0030<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB6IJK<qso_date:8>19751226<time_on:4>0345<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:5>W2HHU<qso_date:8>19751226<time_on:4>0500<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB8OWM<qso_date:8>19751226<time_on:4>0524<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WA7ZSD<qso_date:8>19751226<time_on:4>0557<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB6KHK<qso_date:8>19751227<time_on:4>0450<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB0NGD<qso_date:8>19751227<time_on:4>1713<band:3>15M<mode:3>SSB<rst_sent:2>59<rst_rcvd:2>59<eor> <call:6>WB0IAH<qso_date:8>19751227<time_on:4>1725<band:3>15M<mode:3>SSB<rst_sent:2>59<rst_rcvd:2>59<eor> <call:6>WA0VJM<qso_date:8>19751229<time_on:4>0115<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB6OMT<qso_date:8>19751229<time_on:4>0140<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB1JUK<qso_date:8>19751229<time_on:4>0306<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB0ARZ<qso_date:8>19751229<time_on:4>0340<band:3>40M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor> <call:6>WB0ARZ<qso_date:8>19751229<time_on:4>0343<band:3>20M<mode:2>CW<rst_sent:3>599<rst_rcvd:3>599<eor>			
15	12/26/1975	7	1	0345	WB6JIK				
16	12/26/1975	7	1	0500	W2HHU				
17	12/26/1975	7	1	0524	WB8OWM				
18	12/26/1975	7	1	0557	WA7ZSD				
19	12/27/1975	7	1	0450	WB6KHK				
20	12/27/1975	21	3	1713	WB0NGD				
21	12/27/1975	21	3	1725	WB0IAH				
22	12/29/1975	7	1	0115	WA0VJM				
23	12/29/1975	7	1	0140	WB6OMT				
24	12/29/1975	7	1	0306	WB1JUK				
25	12/29/1975	7	1	0340	WB0ARZ				
26	12/29/1975	14	1	0343	WB0ARZ				

Ready

Generally – Transcribe QSO's from paper log into Excel and then save work sheet to ADIF and upload to your logging software and/or to LoTW.

Be sure to read instructions first.



Basic Log Import



- Save a copy of the worksheet and use this for entries
- DATE -- Type date as mm-dd-yyyy or m-d-yy and program will convert. There must be a dash (-) or slash (/) between M, D and Y.
- Frequency in MHZ. Just the whole number such as 3, 7, 14, etc.
- Mode. Use “1” for CW, “3” for SSB. For other modes, overtype.
 - Be sure to use a designation accepted by ARRL. PSK counts as RTTY.
- Time. Use tttt. If you use ttt or tt or t, program will add leading zeros.
- Call. If the call has a slash, make sure you use “/” and not backwards.
- Save the Excel File. And then --
- Click the ADIF tab at the bottom of the sheet and do File/Save As:
 - “KB5TX-0001.adif” inside double quotes as shown.
 - Type (below the filename) must be Text (OS/2 or MS-DOS) (*.txt).
- Click save and acknowledge first warning by clicking on “OK”.
- Ignore second warning by clicking on “NO”
- Less than full page of calls – edit unused entry slots using text editor.



LoTW

Showing the K5NOF account



Your Logbook Award Account - Microsoft Internet Explorer

https://p1k.arrrl.org/lotwuser/awardaccount?awardaccountcmd=status&awg_id=DXCC&acct=1

File Edit View Favorites Tools Help

Google Search

Sign In

Ham Radio

- ADIC Home Page
- ARRL LOTW Upload
- arrlweb ARRL Home Page
- DX4WIN logging software
- http-kp5.us-
- QRZ Ham Radio
- R5GB Islands on the Air
- Tigertronics Home Page
- WriteLog For Windows Home Page
- eQSL.cc - The Electronic QSL Card Centre
- kb5tx-kars KB5TX - KARS
- Super Check Partial Database Files
- DX4WIN
- Heil Sound Home
- M2 Antenna Systems, Website 4.5
- Universal Towers
- Texas Towers, The Online Ham Radio St...
- ROHN Towers, Poles and Antennas RO...
- GSRV ANTENNAS
- 14300.net
- The RADIO WORKS

Media

- Cooks Palate
- Google
- Mt. Hood Ski Team Schedule
- Southwest Airlines
- The Internet Movie Database (IMDb)
- FT5GA LOG Resource detail
- TX5SPA&TX5SPM LOG
- 2009 DXpedition to Midway Island
- K4M Online Logs
- Conway Reef 2009 - qsl

Favorites Bar

Turn on Suggested Sites...

THE ARRL LOGBOOK OF THE WORLD™

YAESU PRINCIPAL SPONSOR of the LoTW Website

Join ARRL! Join or Renew Today

QST

Home Your QSOs Awards Find Call Upload File Your Account

Award Account Menu

- Account Status
- Account Credits
- Modify Account
- Application
- Application History

Your Logbook DXCC Account (K5NOF - UNITED STATES OF AMERICA)

Account Status

Award	Selected	Applied	Awarded	Total / Current
Mixed *	0	0	212	212 / 209
CW *	1	0	180	181 / 179
Phone	0	0	88	88 / 87
RTTY	0	0	2	2 / 2
160M	0	0	1	1 / 1
80M	0	0	41	41 / 41
40M	0	0	74	74 / 74
30M	0	0	34	34 / 34
20M	0	0	114	114 / 114
17M	0	0	33	33 / 33
15M	0	0	107	107 / 104
12M	0	0	10	10 / 10
10M	0	0	48	48 / 48
Challenge	0	0	459	--- / 459

* = Award has been issued

[View Award Credit Matrix](#)

This account includes credits for the following:

- K5NOF - UNITED STATES OF AMERICA
- K6NOF - UNITED STATES OF AMERICA
- WB6FHK - UNITED STATES OF AMERICA
- WB6FHK/0 - UNITED STATES OF AMERICA
- WB6FHK/5 - UNITED STATES OF AMERICA

This account is linked with DXCC record:

Alan Walters, K5NOF

Notes

- Click on the **Awards** item in the menu at the top of the page to select a different LoTW award account.
- You can click on the links in the Account Status table to view the credit list for an individual award.
- When you are ready to apply your LoTW credits to your DXCC record, use [Application](#)
- To view the present and past applications you have submitted, use [Application History](#)

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Start

DX4WIN 8.04

Microsoft PowerPoint - [...]

Your Logbook Award ...

Internet

100%

4:19 PM

4/18/2011

KARS

8



LoTW



General Steps

(See www.arrl.org for instructions).

- Download and install the software.
- Request a certificate for your callsign.
- Authenticate your location.
- Load your certificate (TQ6 file).
- Create a station location.
- Sign and upload your log files.

Print the instructions and
follow step by step.



Example of LoTW Award Credits

Partial report from the K5NOF
DX Challenge Account

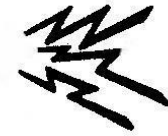


Award Credits: Selected: 0 Applied for: 0 Awarded: 459 Total: 459
Key: Selected · Applied · Awarded

Entity	160M	80M	40M	30M	20M	17M	15M	12M	10M	6M
AFGHANISTAN										
AGALEGA & ST BRANDON ISLANDS					3B6CD					
ALAND ISLAND					OH0NSJ					
ALASKA			KL7FH	KL7J	KL7IRN		KL7Y		KL7Y	
ALBANIA			ZA1Z							
ALGERIA										
AMERICAN SAMOA							AH3FE			
AMSTERDAM & ST PAUL ISLAND										
ANDAMAN & NICOBAR ISLAND										
ANDORRA										
ANGOLA										
ANGUILLA							VP2EKK			
ANNOBON										
ANTARCTICA				VP8CTR	R1ANC			VP8CTR		
ANTIGUA & BARBUDA			W6QL/VP2A							
ARGENTINA			LU5FE		LU3FLV		LQ0E		LU5FE	
ARMENIA										
ARUBA		P49V			P49V		P40A		P49V	
ASCENSION ISLAND					ZD8HR		ZD8Z			
ASIATIC RUSSIA			RA0FU		RA0FU	UA0FAI				
AUCKLAND & CAMPBELL ISLAND										
AUSTRAL ISLAND			TX5SPA	TX3D	TX5SPA	TX5SPA	TX5SPA		TX5SPA	
AUSTRALIA					VK4QK	VK7XX				
AUSTRIA									OE3SE	
AVES ISLAND										
AZERBAIJAN										
AZORES		CR2X	CR2X		CR2X	CR1Z	CR2X			
BAHAMAS		C6AKQ	C6AKQ		C6ANI	C6ANM				
BAHRAIN										
BAKER HOWLAND ISLAND										
BALEARIC ISLAND				EA6SX						
BANABA ISLAND										
BANGLADESH										
BARBADOS			8P5A		8P6AH		8P5A			
BELARUS					UK2SAH					
BELGIUM									ON6FT	



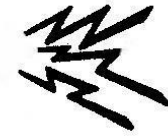
DX4Win Logging Software



- Full of features
 - Packet terminal
 - Packet spots
 - Band map
 - Call sign information (country, heading, distance, QSL manager, etc.)
 - Use for general QSO's, working DX, casual participation in contests.
 - Program includes PSK31 utilities similar to DIGIPAN.
 - MMTTY RTTY engine integrates into program.
 - Uses onboard and/or off board sound card (s).
 - Print labels and manage QSL cards.
 - Upload/download to/from LoTW.
 - Upload/download to/from eQSL.
 - Award tracking
- Just to name a few.
- See www.dx4win.com for more information.



DX4Win Setup Tabs



- Use these series of tabs to tell DX4Win how you want the program to operate:
 - Station capabilities
 - Defaults for a new QSO
 - Preferred fonts
 - Import parameters
 - Radio (s). Can be setup for SO2R.
 - Band decoders
 - Rotor control
 - Antenna control
 - CW generation via serial or parallel.
 - How to handle packet spots.
 - Setup for RTTY.
 - External call sign data base.
 - QSL confirmations
 - Label generation

Setup Parameters

File

Callsign

Name and Address

User Level

Worked Cutoff

Mailed Cutoff

Grid locator

Longitude

Latitude

Date format

Units

Personal
Station
QSO
Screen
Import
Radio
Control
CW
Packet1
Packet2
Packet3
RTTY
Ext Data
F2 Key
Rep/Lab



QSO Entry Window



- Information generated by packet spot:
 - Callsign (can be entered manually)
 - Once call is entered other info generated by internal data base:
 - Country, heading/distance, prefix, QSL manager, IOTA number and name.
- Information generated by radio:
 - Mode, Band, Frequency
- Information generated by call sign data base:
 - Name, QTH
- Notes for QSO and Call entered by operator.
- Label, LoTW and eQSL defaults set in preferences.
- See user manual at www.dx4win.com for more information.

MASTER_LOG sorted by Date

QSO Sort Filter QSLs LoTW eQSL Window Reports Rotator

Georgia **4L : 27° 6,961Mi**

Callsign	Prefix	Date	Time	Mode	Band
4L1MA	4L	04/08/2011	15:30	CW	24MHz

rstS	rstR	Recvd	Zone	State	County	Grid
599	599		21			

Name: QTH: QSL Mgr: **ON4RU**

IOTA: IOTA Island: Freq (kHz): **24,908.10** Group: **7**

Notes for this QSO: Sat Name: Sat Mode:

Notes for this Call: QRP: **N** YLop: **N**

Label	QSL Date	Cnfm	Method
Y	/ /	N	Buro

LoTW	Upload Date	Cnfm	Custom award
Y	/ /	N	---

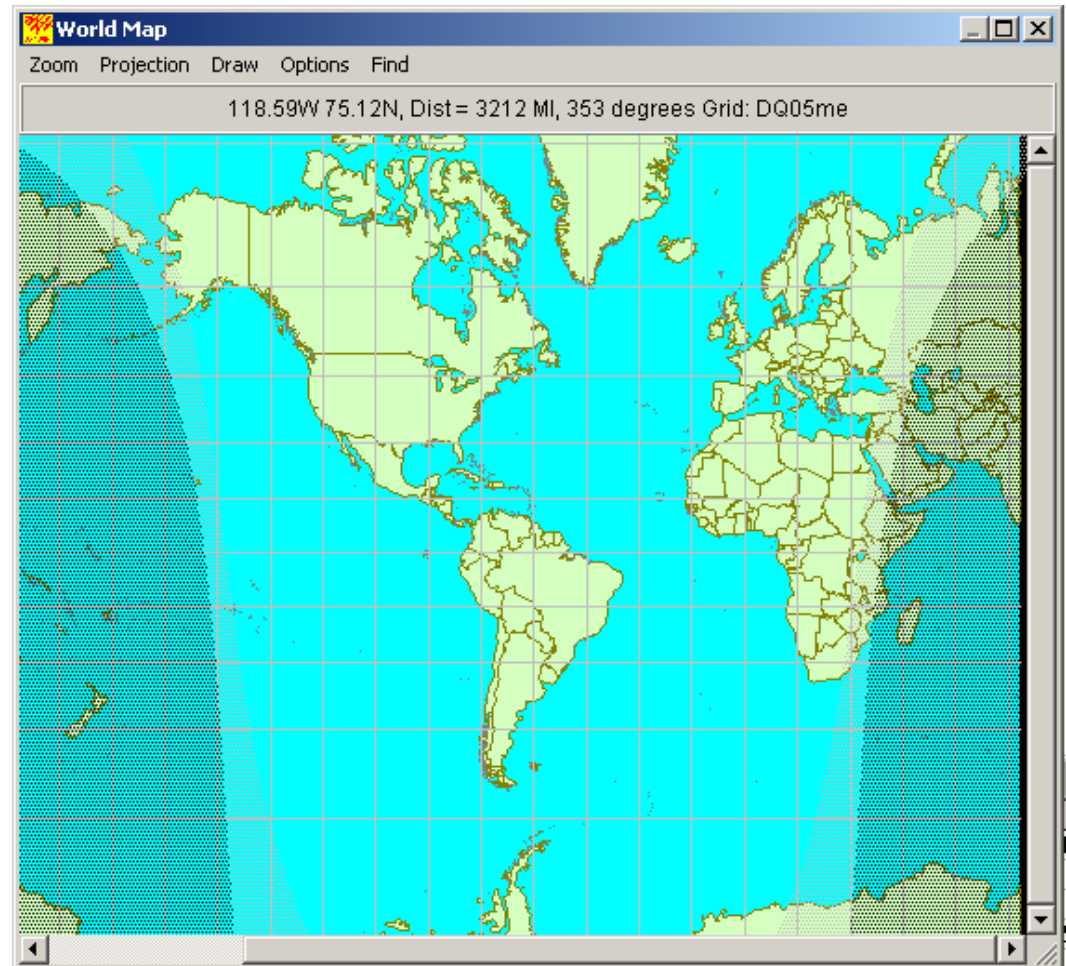
eQSL	Upload Date	Cnfm
N	/ /	N



Grayline Map



- A key tool for working DX
 - Map updated continuously.
 - Zoom in or out as desired.
 - Choice of standard map projections
 - Choice of amount of geographic detail shown.
 - Propagation paths based on spots.





K5NOF Master Log

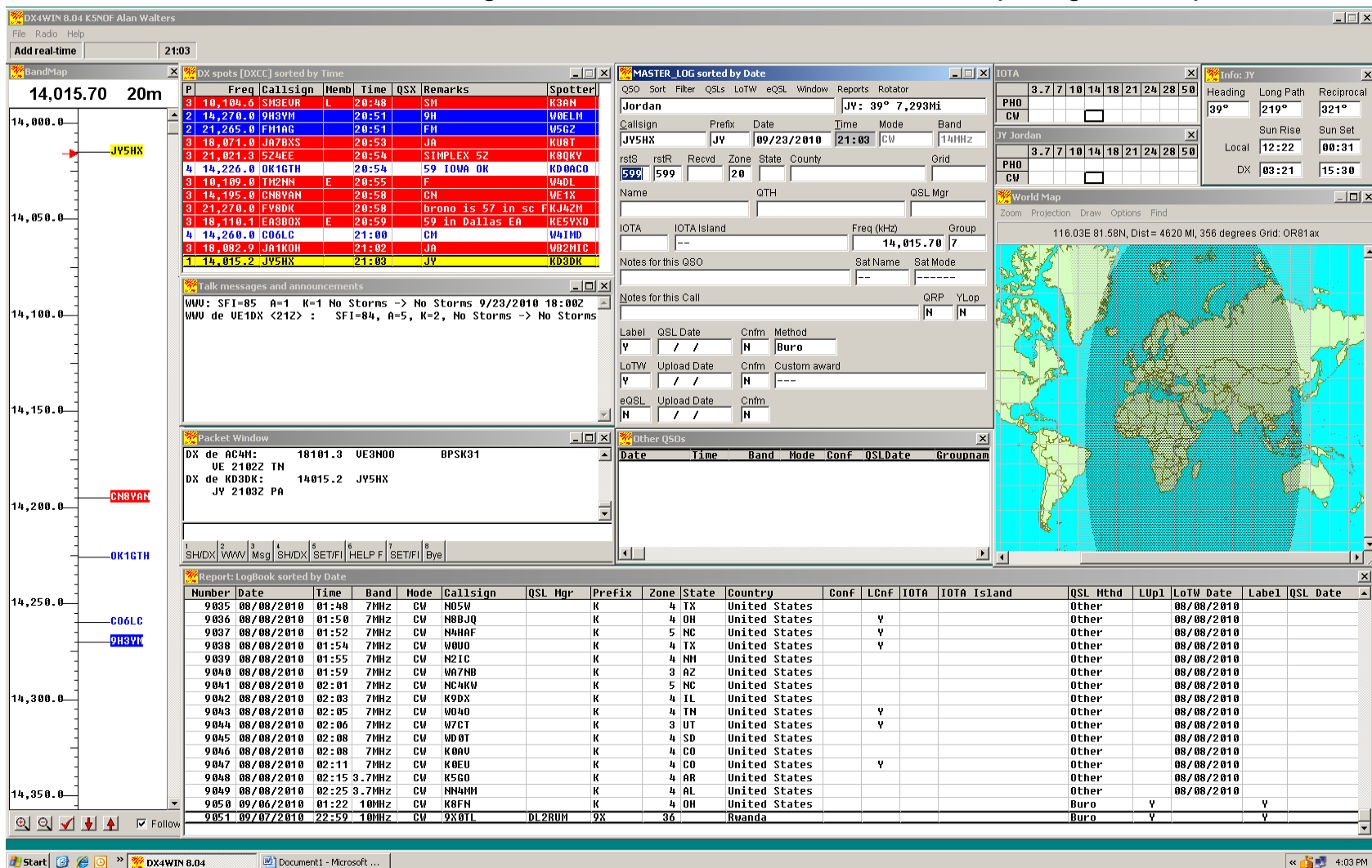


Column headings selected from menu. User determines sequence and arrangement.
(Yes, I do work SSB on occasion.)

Report: LogBook sorted by Date												
Number	Date	Time	Band	Mode	Callsign	QSL Mgr	Prefix	Zone	State	Country	Conf	LCnf
9362	03/05/2011	21:49	14MHz	SSB	HI3K	KB2MS	HI	8		Dominican Republic		
9363	03/05/2011	21:51	28MHz	SSB	ZL1BYZ		ZL	32		New Zealand		
9364	03/05/2011	21:55	28MHz	SSB	PY2U2		PY	11		Brazil	Y	
9365	03/05/2011	21:57	28MHz	SSB	LP1H	EA5KB	LU	13		Argentina		
9366	03/05/2011	22:02	28MHz	SSB	KH6YR	I0MWI	KH6	31	HI	Hawaii		
9367	03/05/2011	22:06	21MHz	SSB	PY2KPY		PY	11		Brazil		
9368	03/05/2011	22:08	21MHz	SSB	LP2F	LU1FDU	LU	13		Argentina	Y	
9369	03/05/2011	23:42	28MHz	SSB	F08RZ	F8BPN	F0	32		French Polynesia	Y	
9370	03/05/2011	23:45	21MHz	SSB	CX2DK		CX	13		Uruguay		
9371	03/05/2011	23:46	21MHz	SSB	RW0CWA	RW0CF	UA9	19		Asiatic Russia		
9372	03/05/2011	23:47	14MHz	SSB	XP1A	OZ1ACB	OX	40		Greenland		
9373	03/05/2011	23:48	14MHz	SSB	P49Y	AE6Y	P4	9		Aruba	Y	
9374	03/05/2011	23:49	14MHz	SSB	UP9/W6PH		UP9	5		Bermuda		
9375	03/06/2011	01:13	7MHz	SSB	YT8A	YU1EA	YU	15		Serbia (ex-Yugoslavia)		
9376	03/06/2011	01:14	7MHz	SSB	HC2AQ	EA5KB	HC	10		Ecuador		
9377	03/06/2011	01:16	7MHz	SSB	XE1L	WA3HUP	XE	6		Mexico		
9378	03/06/2011	01:24	7MHz	SSB	ZF2KH		ZF	8		Cayman Islands		
9379	03/06/2011	01:25	7MHz	SSB	TM6N		F	14		France		
9380	03/06/2011	01:26	7MHz	SSB	HK1T	EA5KB	HK	9		Colombia		
9381	03/06/2011	01:28	7MHz	SSB	HQ2GL	W9GL	HR	7		Honduras		
9382	03/06/2011	01:30	7MHz	SSB	OM3GI		OM	15		Slovakia		
9383	03/06/2011	01:30	7MHz	SSB	S52WW		S5	15		Slovenia		
9384	03/06/2011	01:31	7MHz	SSB	OE4A	OE1EMS	OE	15		Austria	Y	
9385	03/06/2011	02:19	10MHz	CW	N1SNB/CY0	N0TG	CY0	5		Sable Island		
9386	03/06/2011	02:28	7MHz	SSB	WP3C	W3HNK	KP4	8		Puerto Rico		
9387	03/06/2011	02:30	7MHz	SSB	PT5T	N3SL	PY	11		Brazil	Y	
9388	03/06/2011	02:37	3.7MHz	SSB	PJ4G	WA2NHA	PJ4	9		Bonaire		
9389	03/06/2011	02:46	7MHz	SSB	SU9CYY		SU9	20		Crete	Y	
9390	03/06/2011	02:48	7MHz	SSB	U31AM	N2ZN	U3	7		Belize		
9391	03/06/2011	02:57	3.7MHz	SSB	P49Y	AE6Y	P4	9		Aruba	Y	
9392	03/06/2011	02:57	3.7MHz	SSB	C6ANM	WA2IYO	C6	8		Bahamas	Y	
9393	03/06/2011	02:57	3.7MHz	SSB	Y03APJ		Y0	20		Romania		
9394	03/06/2011	02:58	3.7MHz	SSB	UU1K		UT	16		Ukraine		
9395	03/06/2011	02:58	3.7MHz	SSB	EA8URL		EA8	33		Canary Islands		
9396	03/06/2011	02:58	3.7MHz	SSB	YU1WS		YU	15		Serbia (ex-Yugoslavia)		
9397	03/06/2011	02:58	3.7MHz	SSB	IR4C	IK4THF	I	15		Italy		
9398	03/06/2011	02:59	3.7MHz	SSB	HQ2W	OK1D0T	HR	7		Honduras	Y	
9399	03/06/2011	03:00	3.7MHz	SSB	VE2SC	MD0ELW	VE	6		Mexico	Y	



User selects, sizes and arranges windows as desired. K5NOF setup for general operation.





DX4Win PSK 31 Interface



DX4WIN 8.04 KSNof Alan Walters

File Radio Help

Add real-time 17:19

Band-Map 14,072.93 20m

DX spots [DXCC] sorted by Time

P	Freq	CallSign	Mem	Time	QSL	Remarks	Spotter
3	24,988.6	SP9RQJ		17:03	SP		NN3W
3	18,123.0	CT3FT		17:04		Looking W6/W7 CT3	K7XC
3	24,896.4	OH5DP		17:04		nice signal into NYN2LQ	
3	18,071.2	OZ1C1K		17:04	OZ		U2R2S
1	21,040.2	5B4AHJ	L	17:10	CQ	Caribbean +5B	N9UH
3	18,128.0	F4DDO		17:10	CQ	not sure of caK6III	
1	18,141.0	TS7TI		17:10	3155	QX 18155 3U	W1JGS
3	18,146.0	EI4GYB		17:13	EI		NF9V
1	18,071.7	FR/DJ7RJ		17:14		up1.3 FR	K01E
3	18,128.0	F4GGD		17:16		5/9 into NYC F	N2MEG
2	18,123.0	GI3DZE		17:16	GI		K6III
3	18,120.1	I1ZDEM		17:17	I		N6XT

Talk messages and announcements

VWU: SFI-91 A-4 K=1 No Storms -> No Storms 9/30/2010 15:00Z

Packet Window

+5B <KK50Q>
24894.9 RA7A 30-Sep-2010 1657Z
+UR9 <H3DG>
KSNof de K5DX 30-Sep 1717Z arc >

SHDX WWW Msg SHDX SET/FI HELP F SET/FI Bye

Report: LogBook sorted by Date

Number	Date	Time	Band	Mode	CallSign	QSL Mgr	Prefix	Zone	State	Country	Conf	LCnf	IOTA	IOTA Island	QSL Mthd	Lup1	LoTW Date	Label	QSL Date
9037	08/08/2010	01:52	7MHz	CW	N4HAF	K		5	NC	United States		Y			Other		08/08/2010		
9038	08/08/2010	01:54	7MHz	CW	W0U0	K		4	TX	United States		Y			Other		08/08/2010		
9039	08/08/2010	01:55	7MHz	CW	H21C	K		4	NM	United States					Other		08/08/2010		
9040	08/08/2010	01:59	7MHz	CW	W07NB	K		3	AZ	United States					Other		08/08/2010		
9041	08/08/2010	02:01	7MHz	CW	HC4KW	K		5	NC	United States					Other		08/08/2010		
9042	08/08/2010	02:03	7MHz	CW	K9DX	K		4	IL	United States					Other		08/08/2010		
9043	08/08/2010	02:05	7MHz	CW	W040	K		4	TN	United States		Y			Other		08/08/2010		
9044	08/08/2010	02:06	7MHz	CW	W7CT	K		3	UT	United States		Y			Other		08/08/2010		
9045	08/08/2010	02:08	7MHz	CW	W00T	K		4	SD	United States					Other		08/08/2010		
9046	08/08/2010	02:08	7MHz	CW	K0AV	K		4	CO	United States					Other		08/08/2010		
9047	08/08/2010	02:11	7MHz	CW	K0EU	K		4	CO	United States		Y			Other		08/08/2010		
9048	08/08/2010	02:15	3.7MHz	CW	K5GD	K		4	AR	United States					Other		08/08/2010		
9049	08/08/2010	02:25	3.7MHz	CW	NN4NH	K		4	AL	United States					Other		08/08/2010		
9050	09/06/2010	01:22	10MHz	CW	K0FN			4	OH	United States					Buro	Y		V	
9051	09/07/2010	22:59	10MHz	CW	9X0TL	DL2RUH	9X	36		Rwanda					Buro	Y		V	
9052	09/24/2010	00:23	7MHz	CW	K090UN	K		4	IN	United States					Buro	Y		V	
9053	09/24/2010	00:43	14MHz	SSB			I	15		Italy					Buro	Y		V	

PSK31 Window

* ètbp oro
gd,Report : 599 599 IHD: -16dB S/N: 20dB Name :
Eddie Eddie QTH : McBee, St McBee, SCGrid :
EM94ul EM94ulCounty : Chesterfield : How copy? BTU
Donald, AE1Q de W4ELG pse kn

QSO Sort Filter QSLs LoTW eQSL Window Reports Rotator

CallSign Prefix Date Time Mode Band

09/30/2010 17:19 SSB 14MHz

rstR rstR Recvd Zone State County Grid

59 59

Name QTH QSL Mgr

IOTA IOTA Island Freq (kHz) Group

14,072.93 7

Notes for this QSO Sat Name Sat Mode

Notes for this Call QRP YLop

Label QSL Date Cnfm Method

Y / / N Buro

LoTW Upload Date Cnfm Custom award

Y / / N ---

eQSL Upload Date Cnfm

N / / N

Other QSOs

Date Time Band Mode Conf QSL Date Groupname

Tx Spectrum Play CQDX CQWAS CQ HIS TKSRST BTU SKQ BYE

Rx: 2280 Tx: 2280

Start DX4WIN 8.04 12:19 PM



DX4Win with MMTTY



DX4WIN 0.04 K5NOF Alan Walters

File Radio Help

Add real-time 00:47

BandMap

14,083.44 20m

BD9AC

UP8DH

14,080.0

14,050.0

14,100.0

14,150.0

14,200.0

14,250.0

14,300.0

14,350.0

DX Spots [DXSP] sorted by Time

P	Freq	CallSign	Mem	Time	QSL	Remarks	Spotter
1	18,105.0	UR2DXA		00:19		RTTYV Loud UR	K7XC
3	18,158.0	BD4QH	EL	00:21		TNK Pan!! 73 73 de	U5M2H
3	18,136.0	BT4EXP0		00:26		59 BY	K04ESV
3	14,026.0	BD9AC		00:33		BV	K8BJ
3	7,009.1	CS9AU	E	00:33		CN	K9FEN
1	10,102.0	R11FJ		00:34		readable in WNY UR	KE2WV
3	18,115.0	0A8ACI	E	00:37		0A	NC00
3	9,500.0	5N7H		00:38		cq up1 579 1 hr b4	UE6N2
3	7,007.6	R1AMP		00:41		CE9	MBLJ
3	24,994.0	UX2GUV	EL	00:41		FB in North Calif	K6XG
6	14,260.0	UP8DH		00:45		CE9	KF4CC
1	7,100.0	5B5DHF		00:46		Norman in Paphos, CYPUS	

Talk messages and announcements

WU: SF1-91 A-4 K-1 No Storms -> No Storms 9/30/2010 15:00Z
WU de N5IN <182> : SF1=91, A=4, K=1, No Storms -> No Storms
To ALL de N5IN <18432> : SF1=91, A=4, K=1, No Storms / No Storms
WU de VE1DX <212> : SF1=90, A=1, K=1, No Storms -> No Storms
To ALL de M2YC <29532> : TS7TI doesn't announce his IOTA nr???
WU de N5IN <002> : SF1=90, A=1, K=1, No Storms -> No Storms
To ALL de K3FA <00102> : RD4X you didnt work the 9M2, that was a 5th in Montana

Packet Window

DX de K3RH: 14080.9 RX0AT
UA9 00442 PA
DX de K5VFN: 14242.0 K6B 59 in OKla
K 00452 BK

Report: LogBook sorted by Date

Number	Date	Time	Band	Mode	CallSign	QSL Mgr	Prefix	Zone	State	Country
9037	08/08/2010	01:52	7MHz	CW	NAHAF	K		5	NC	United S
9038	08/08/2010	01:54	7MHz	CW	U0U0	K		4	TX	United S
9039	08/08/2010	01:55	7MHz	CW	N21C	K		4	NM	United S
9040	08/08/2010	01:59	7MHz	CW	W47NB	K		3	AZ	United S
9041	08/08/2010	02:01	7MHz	CW	NC4KV	K		5	NC	United S
9042	08/08/2010	02:00	7MHz	CW	K9DX	K		4	IL	United S
9043	08/08/2010	02:05	7MHz	CW	W0A0	K		4	TX	United S
9044	08/08/2010	02:06	7MHz	CW	W7CI	K		3	UT	United S
9045	08/08/2010	02:08	7MHz	CW	W001	K		4	SD	United S
9046	08/08/2010	02:08	7MHz	CW	K06U	K		4	CO	United S
9047	08/08/2010	02:11	7MHz	CW	K0EJ	K		4	CO	United S
9048	08/08/2010	02:15	3.7MHz	CW	K5G0	K		4	AR	United S
9049	08/08/2010	02:25	3.7MHz	CW	NAHMH	K		4	AL	United S
9050	09/06/2010	01:22	10MHz	CW	K8FH	K		4	OH	United S
9051	09/07/2010	22:59	10MHz	CW	9X0TL	DL2RUH	9X	36		Rwanda
9052	09/24/2010	00:23	7MHz	CW	K898UN	K		4	IN	United S
9053	09/24/2010	00:43	14MHz	SSB	126M2			15		Italy

MASTER LOG sorted by Date

QSO Sort Filter QSLs LoTW eQSL Window Reports Rotator

CallSign Prefix Date Time Mode Band

18/01/2010 00:47 SSB 14MHz

rstB rstR Recvd Zone State County Grid

59 59

Name QTH QSL Mgr

IOTA IOTA Island Freq (kHz) Group

-- -- 14,083.44 7

Notes for this QSO Sat Name Sat Mode

Notes for this Call QRP YLop

N N

Label QSL Date Cnfm Method

V / / N Buro

LoTW Upload Date Cnfm Custom award

V / / N ---

eQSL Upload Date Cnfm

N / / N

Other QSOs

Date	Time	Band	Mode	Conf	QSL Date	Group
------	------	------	------	------	----------	-------

RTTY Control panel

view(V) option(O) profiles(S)

Control

FIG Mark 1464 Hz Type Rev HAM

UOS Shift 170 Hz SQ Not BPF

TX EVW 60 Hz

TXOFF A7. 70 Hz ATC NET AFC

ec 7:47 PM



Writelog



- Setup
- Band Map
- Spots, Packet Window
- QSO entry window
- Utilities: Super Check Partial and Same Call
- How to use if Search and Pounce
- MMTTY Window



Contesting



- Contesting in General
- Why? To improve operator proficiency and to work states and entities needed for various awards.
- Compete for score. Maybe a combination of goals. BUT
 - One does not need to formally submit a log if one's goal is simply to pick up needed states or DXCC entities.
 - WAS. ARRL November Sweepstakes (CW and SSB). ARRL RTTY Roundup.
 - DXCC, ARRL DX Contest. CQWW and CQ WPX (all have a CW and SSB weekend).
- If just getting started:
 - Read the contest announcements in QST for date, time, rules and exchange.
 - CQ sponsored contests? See web page.
 - New to contesting?
 - Use Search and Pounce e.g. select spots or tune up-down band for stations.
 - Begin with SSB.
 - Listen to be sure of the other station's exchange and then jump in.
 - Hesitant on CW?
 - Wait until day two when the "big gun" contesters become desperate.
 - Make sure you know his exchange and the next serial number. Then jump in.
 - They will be more than willing to slow down for you because by now your single QSO could be worth 60 or more points due to the multiplier effect.



Ports (What's Connected?)



Provides complete capability for rig control, SO2R, antenna control.

Port Setup--What is Connected?

	CW	DVK	Antenna relay	Rig Type	Baud Rate	Poll	Comm PTT
COM1	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	Icom IC-7700	9600	<input checked="" type="checkbox"/>	NO
COM2	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	No Rig	default	<input checked="" type="checkbox"/>	YES
COM3	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	No Rig	default	<input checked="" type="checkbox"/>	YES
COM4	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	No Rig	default	<input checked="" type="checkbox"/>	YES

LPT1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	DVK type None	Wave File Locate...
LPT2	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>		
LPT3	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>		
	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>		

☒ All mode PTT on RTS

CW keyer type
PC generates

SO2R Control
None COM1

Rotator control on COM port
Left (or only) Rig None DCU-1
Right Rig None DCU-1

Buttons: Wave File Locate..., CW Speeds..., CW PTT..., OK, Cancel, Help



Messages



Can run an entire contest using “F” keys to send CW, Voice or RTTY messages and exchanges. See user manual at www.writelog.com for more information.

CW/RTTY/SSB Memory Setup [X]

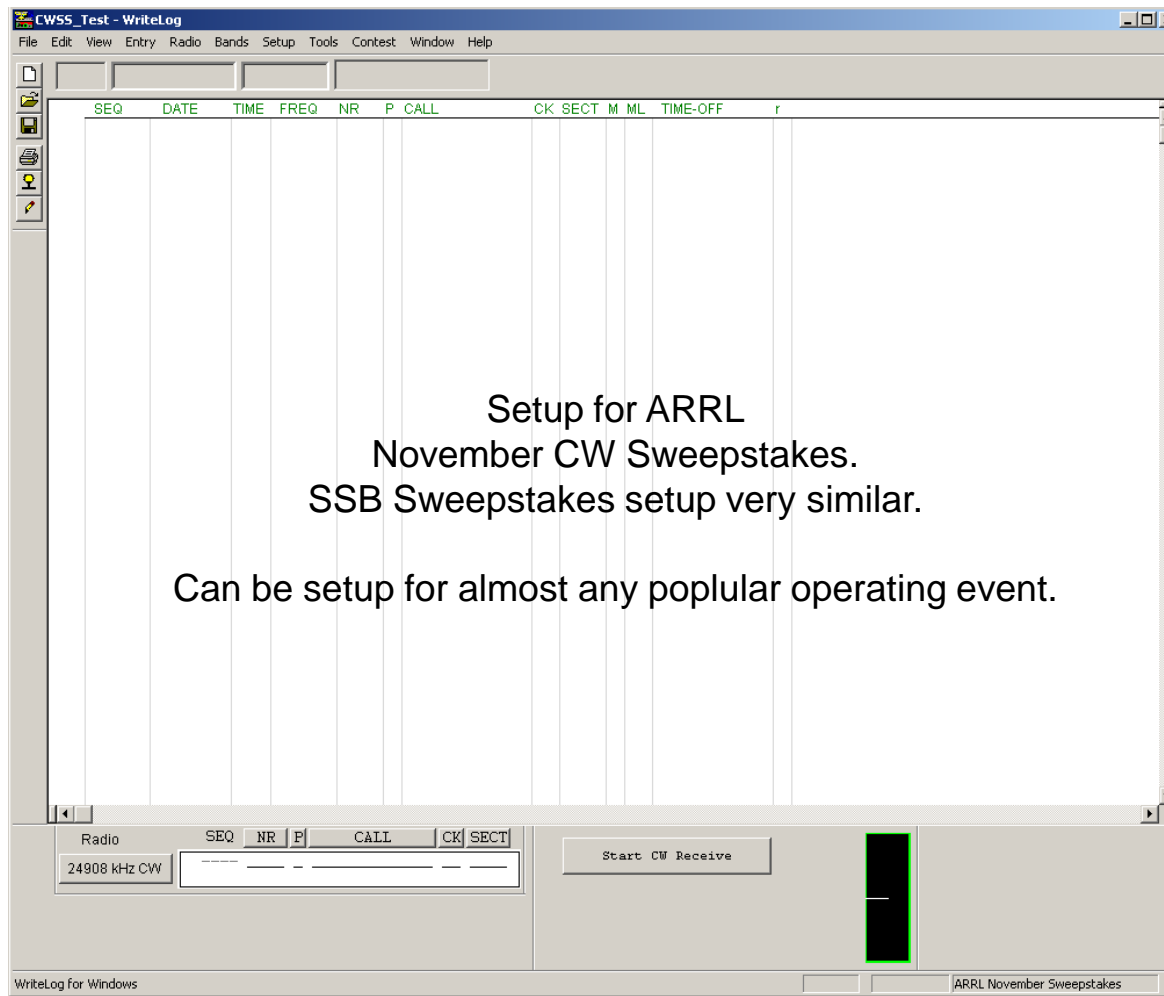
F2:	<input type="text" value="CQ CQ CQ TEST DE K5NOF K"/>	<input type="button" value="Browse..."/>
F3:	<input type="text" value="%C NR % U K5NOF 75 STX K"/>	<input type="button" value="OK"/>
F4:	<input type="text" value="TU QRZ SS de K5NOF K"/>	<input type="button" value="Cancel"/>
F5:	<input type="text" value="%C de K5NOF K"/>	<input type="button" value="Help"/>
F6:	<input type="text" value="K5NOF"/>	<input checked="" type="radio"/> Normal keys
F7:	<input type="text" value="%C NR % U K5NOF 75 STX K"/>	<input type="radio"/> Shifted keys
F8:	<input type="text" value="TU"/>	<input type="radio"/> SSB
F9:	<input type="text" value=""/>	<input type="radio"/> Shifted SSB
F10:	<input type="text" value=""/>	
F1&F11:	<input type="text" value="CQ SS de K5NOF K"/>	



Writelog log window, QSO entry window & CW decoder



- Log can be converted to ADIF to input to master log and to upload to LoTW.
- Can also be converted to Cabrillo format to submit to contest sponsor for score.
- If running S&P, take your time filling in the exchange window (lower left) until you are sure. Then hit the “F” key with your call and take it from there.
- Use CW decoder to be sure of what you “think” you are hearing.
- You will be surprised by your increase in proficiency at the end of the contest whether you are going for score or not.





WriteLog

Set up for November Sweepstakes

Spot window

Packet Spots

Bands	All Bands	Multis Only	Auto Scroll	In-band On	Align. Sort
x UAOIT	18070.0	16	22192		
x SP8CGR	7044.0	16	22192		
x VE6XMB	14200.0	325	22212		
x FJ7/KLXN	10090.0	290	22222		
x JH1AGU	18155.0	42	22222		
x HR2/OH2TA	18075.0	289	22222		
x JR2TJ	18074.7	42	22242		
x HI7/EA7AAW	18076.7	290	22252		

Spot window

WriteLog Packet Terminal dxc.tdks.net23

File Edit Help

*** Connected to: KSDX
Welcome to the KSDX AI-Cluster node Telnet port!
Please enter your call:
Hello Alan Walters (K5WOF)
Welcome to the KSDX AI-Cluster Telnet port in Houston, TX
For more information please go to www.tdks.net
WVW: SP1-76 A=2 K=1 No Storms -> No Storms 10/4/2010 :
To set filters to just see spots from the US and Canada,
SET/FILTER K.VB/PASS (or see HELP FILTERS for more filter
Since Jan 2009 the KSDX node has processed 12,416,084 D
816 nodes, ZS local / 1701 total users Uptime 20 06:05
K5WOF de KSDX 04-Oct 22182 arc >
DX de K5WOF: 18070.0 UAOIT
DX de WAZLC: 7044.0 SP8CGR 2058 -20 dB in S
DX de AB7NO: 14200.0 VE6XMB
DX de N5UWY: 10090.0 FJ7/KLXN TND!
DX de W5RZN: 18155.0 JH1AGU TND for QSO Fori
DX de WAZST: 18075.0 HR2/OH2TA TND Pekka, Vy 1ou
DX de N5EI: 18074.7 JR2TJ
DX de W2ZS: 18076.7 HI7/EA7AAW

Packet window

Band map

File

13990
14000
14010
14020
14030
14040
14050

Band map
Shows spots and Spot frequency.
Click on spot to Insert call into QSO window.

Super Check Partial

Running score

Same call (dups)

Radio

14020 kHz CW

SEQ	DATE	TIME	FREQ	NR	P	CALL	CK	SECT	M	ML	TIME-OFF	I
AKSDV	K5CT/6	K6ALE	K6AWR	K6BR	K6CED							
AKSM	K6VA	K6AM	K6BBQ	K6BRA	K6CF							
AKSR	K6AB	K6AN	K6BCK	K6BR	K6CKG							
AKSA	K6AJ	K6ANP	K6BH	K6BY	K6CJG							
CKSBF	K6AJE	K6AJC	K6BR	K6BZS	K6CQD							
K1SL/6	K6AK	K6AW	K6BJ	KECA	K6CRD							
K3LL/6	K6AKR	K6AWD	K6BL	KECDJ	K6CSL							

Score: 0 QSO Sec

ARRL November Sweepstakes

5:25 PM

Writelog

Setup for ARRL RTTY

The screenshot displays the Writelog software interface for ARRL RTTY setup. The main window, 'ARRL RTTY Test - Writelog', features a menu bar (File, Edit, View, Entry, Radio, Bands, Setup, Tools, Contest, Window, Help) and a toolbar. It includes a table with columns: SEQ, DATE, TIME, FREQ, CALL, SNT, RCV, QTH, ML, COUNTRY, C, PREF, TIME-OFF, and DGT. Below this is a status area showing 'Radio: 14085 kHz FSK' and 'SEQ: 599'. A 'Score' table is also present:

Score: 0	QSO	Sta	Prov	Dx
80M	0	0	0	0
40M	0	0	0	0
20M	0	0	0	0
15M	0	0	0	0
10M	0	0	0	0
Total	0	0	0	0

Other windows include 'Packet Spots' (listing stations like J07CVU, UA0IT, JH10CC, etc.), 'Bandmap' (showing a frequency spectrum), 'Writelog Packet Terminal' (displaying a Telnet session with KSDX), and '60 WPM Baudot - Rttynite' (showing a RTTY stream with highlighted calls like **UP4JFR** and **KP4JFR**). A text overlay states: 'This is using the Writelog dumb terminal. Click on call highlighted here or on band map to enter into QSO window.'



Writelog

Setup for ARRL RTTY using MMTTY

The screenshot displays the Writelog software interface, which is used for monitoring and controlling RTTY (Radio Teletype) operations. The interface is divided into several windows:

- Packet Spots:** A list of active stations and their frequencies. The list includes stations like J07CVU, UA0IT, JH1OCC, HI7/EA7AAW, K8DAR, EU7SD, T88CQ, SV8/DF7XE, OK1WCF, JK4CHT, SP1DTG, UY2VM, and N5XES, along with their respective frequencies and call signs.
- Bandmap:** A frequency spectrum display showing the current frequency range (14060 to 14110 kHz) and the position of the active station (N5XES) at 28400.0 kHz.
- ARRL RTTY Test - Writelog:** A window for testing and monitoring RTTY operations. It includes a table for station data (SEQ, DATE, TIME, FREQ, CALL, SNT, RCV, QTH, ML, COUNTRY, C, PREF, TIME-OFF, DGT) and a section for station status (80M, 40M, 20M, 15M, 10M Mult. OK, Need station!).
- Writelog Packet Terminal dxc.tdxs.net:23:** A terminal window showing the KSDX AR-Cluster node Telnet port. It displays a welcome message and a list of active stations and their frequencies.
- RTTY Control panel:** A control panel for the RTTY operation. It includes a Demodulator (IIR) section with controls for Mark, Shift, BW, and AV, and a section for TX (Transmit) and TXOFF (Transmit Off).

The interface also includes a status bar at the bottom showing the current date and time (4/18/2011, 5:45 PM) and the call sign KARS.

Most use MMTTY because it
Is easier to tune. Look at the
detail below.

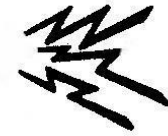
4/18/2011

KARS

26



Conclusion



- We have talked about how to convert paper logs to digital format and how to use Basic Log to do this.
 - Why? To be able to upload your QSO's to LOTW and into logging software.
- We have been to the LOTW webpage to show how to get started and we have talked about using Logbook of the World and eQsl in addition to QSL cards.
 - Why? Obtain confirmations for your QSO's without the need to mail cards (except for cards needed for IOTA confirmations).
- We have talked about logging software.
 - Why? Operating aids such as packet cluster, spot announcements, gray line depiction. An electronic log to manage LoTW and eQSL uploads. Utilities to easily track your progress toward various operating awards.
- We have talked about contesting and contesting software.
 - Why? Operator proficiency, award entities, and to have fun!
- Disclaimer:
 - There is an entire universe of opinion on these subjects.
 - Many different logging and contesting programs (such as TRLog, N1MM, N3FPJ). All are good in their way.
 - Not here to advocate specific software; a matter of personal preference.
 - I have simply described what I do, what I use and why.



Some Editorial Comments



If low ERP, you will have a huge advantage with CW

- Contrary to popular belief, CW is alive, well and growing.
 - Rare DX with modest stations seem to favor CW.
 - CW will have more punch at any given power level due to less bandwidth.
 - 100W to a 6dB gain antenna (without calculating feed line loss) sounds like 400W.
 - Relatively easy and not too expensive to become competitive on 14 mHz and above.
 - On any given day, you will hear as many DX on CW as SSB.
 - CW uses a modest, English based vocabulary, almost universally understood.
 - No struggle to understand the DX's accent.
- So the rewards seem well worth the effort to learn CW.
- How?
 - Key and some type of sender to learn the alphabet by sending.
 - Listen to code practice sessions on W1AW.
 - Get a “code buddy” to practice with.
- Finally, when working DX, there is a DX Code of Etiquette to adhere to:



DX Etiquette



- Listen, listen, listen, listen, listen, listen, and then listen some more –
 - Don't call unless the DX's signal is strong enough to copy.
 - Don't call on the DX's frequency unless **you are sure** he is not working split.
 - Don't call until you are sure DX finished the current QSO.
 - Don't call when the DX responds to another call sign.
 - Don't call when the DX queries another call not like yours.
 - Don't call when the DX queries other geographic areas.
 - Don't trust the call on the DX cluster, listen to what the DX says.
 - Never tune up on the DX's frequency.
- When you call –
 - Send your complete call, once, listen -- twice, listen – three, four times max.
 - When DX answers –
 - Send your exchange or signal report once and only once.
 - DX will ask for fills if needed.
- If DX answers with your correct call sign –
 - (Generally) don't send your call again unless part of the exchange.
 - He already knows who you are!

Extras are the biggest violators; particularly
those nearing or on the "Honor Roll".